Quality Control

											DQA:	Date:	
NCR:	es /	No				<b>WORK ORDER NON-</b>	COI	NFORM	MANCE / UPI	DATE			•
											QA Closed:	Date:	
Work Orde	or.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
WOIK Old						Rework	7		Skid-tube	Crosstube	]	Water Jet	Engineering
Part N	No.					Scrap	1	1	Machining	Small Fab	Pro	d. Eng. Coor.	Quality
	_					Use-as-is	1		noforming	Finishing	-1	re/Packaging	Other
NCR 1	No					Work Order Update			Large Fab	Composite		Supplier	
							7					<b>T</b>	1
Root						ption of work order update		Initial	Act		Sign &		
Cause		Date	Step	Qty	(	or Non-conformance	Cr	nief Eng	Descr	iption	Date	Verification	QC Inspector
Doc/Data	Щ												
Equip/Tooling	Щ							!					
Operator													
Material													
Setup													
Other													
Process													
Supplier									~. •¥				
Training							İ						
Unapproved													
							FAUI	LT CATE	GORY				
Landi	ng Gea	r				General		_			_	_	<del>-</del>
	Ве	nding				Bend		Grain			Ovalized		Pressure/Forced
	Ce	ntre No	t Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	r tolerance	Temperature/Cure
	Cr	acks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ect	Weld
	Cr	ushed/0	Crimped.			Burrs		Instruct	ions Incomplete/l	Jnclear	Part Lost/M	lissing	Wrong Stock Pulled
	Cu	ffs				Contamination		Mainte	enance		Part Moved	<u></u>	
	Не	at Trea	t			Countersink		Mislabe	eled		Positioned '	Wrong	_
	Ins	pection	Strip in	Tube		Cut Too Short	Г	Misread	d		Power Loss	/Surge	Other

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde		3343		*883	343*					Page 2
Item ID: Revision ID:	D350-607-1	•		Accept	*N9000401	იი*	Setup	Start Stop	*NS	:1*
Item Name: Start Date: Required Date: Reference:	7/27/12	d Opener Installation  Start Qty: 1.00  Req'd Qty: 1.00	*1* *1*		Cust Item ID: Customer:				*NS	:2*
Approvals:	Process Pl	an:	Date:	Tooling: SPC (Y/N):	Date:		Run	Start Stop	*NF	
Sequence ID/ Work Center II 130 *120* Packaging	D	Operation Description  Memo		Set Up/ Run Hours 0.00		an Accep	t Rej Qty			Insp. Stamp
Packaging  140  *1/10*			μ	PPP D350-607-141				2/9	/18	)))

0.00

Memo

Quality Control

M12-09-18

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-	COI	<b>NFORM</b>	MANCE / UP	DATE	·		*
											QA Closed:	Date:	
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
Part I	Vo.					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite	•	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update		Initial	Ac	tion	Sign &		
Cause		Date	Step	Qty	(	or Non-conformance	Cr	nief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data													
Equip/Tooling													
Operator													
Material		]											
Setup													
Other							1						
Process			i										
Supplier		}	1										
Training							İ						
Unapproved		1				•							
						F	AUI	T CATE	GORY			<del></del>	
Landi	ng (	Gear				General							
•		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre No	ot Conce	ntric to	o/s	BOM/Route	Г	Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	Г	Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	issing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part Moved	L	•
		Heat Trea	it			Countersink		Mislabe	led		Positioned \	Vrong	
		Inspection	n Strip in	Tube		Cut Too Short		Misread	d		Power Loss/	Surge	Other

Out of Calibration

Out of Sequence

Outside Dimensions

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

## **Picklist Print**

August-01-12 3:19:54 PM

Work, Order ID:

88343

Parent Item:

D350-607-141

Parent Item Name:

Automatic Lid Opener Installation

**Start Date:** 7/27/12

Required Date: 8/17/12

Start Qty: 1.00

Required Qty: 1.00

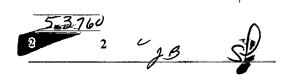
Comments:	IPP RevA: New iss 10.01.18 verified b		,	s per ecn10-5	IPP RevB 45 DD 10.04.1	: as per dwg 19 verified b						
Component Item ID.	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Status
D3953-1  Gas Spring Bracket		Manufactur	red No			110	Each	13.0000	2	2	1 20	5
				Location		Lee Oty	Į,	o Codo			V	

			Location	Loc Oty	<u>Loc Couc</u>	
1			ST075	13		
			53760	13		
D3953-8	Manufactured	No		110	Each 55.000	0
Gas Spring Stud, Lid						
			Location	Loc Qty	Loc Code	
			GA	40		
			87592	40		
4			ST075	15		

		85788	15	
D3953-5 Gas Spring Stud, Base	Manufactured	No	110	Each 38.0000
		Location	Loc Qty	Loc Code

		Loca	<u>tion</u>	Loc Qty		Loc Code
		ST07	5	38	3	
<b>⊿</b>			85958	18	3	
			86593	20	)	
D3953-7 Spring Spacer	Manufactured	No		110	Each	73.0000

Location	Loc Qty Loc Code
ST075	23
85789	23
ST078	50
87444	50



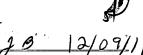












1+85789

14- 27444

Page 1

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O	100	NFORM	MANCE / UPDAT	TE	·		,
									<u>-</u>		QA Closed:	Date:	
Work Ord	er:					DISPOSITION				AGAINST DEI	PARTMENT	/PROCESS	•
Part f	No.					Rework Scrap Use-as-is Work Order Update		Therm	Machining S noforming	Crosstube  Small Fab  Finishing omposite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering (Ouality On Other
Root					Descri	ption of work order update		nitial	Action	·	Sign &		
Cause		Date	Step	Qty	(	or Non-conformance	Ch	ief Eng	Descripti	on	Date	Verification	QC Inspector
Doc/Data						·							
Equip/Tooling										:			
Operator													
Material													
Setup													
Other													
Process													
Supplier													
Training							ŀ						
Unapproved													
						F	AUL	T CATE	GORY			•	•
Landi	ng (	Gear				General				·			
		Bending	•			Bend	Г	Grain			Ovalized		Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
		Crushed/	Crimped.			Burrs		4	ions Incomplete/Uncl	ear	Part Lost/Mi	issing	Wrong Stock Pulled
		Cuffs	-			Contamination		Mainte			Part Moved	· _	~
		Heat Trea	it			Countersink		Mislabe			Positioned V	Vrong	
:		Inspectio	n Strip in	Tube		Cut Too Short		Misread			Power Loss/		Other

Out of Calibration

Out of Sequence

Outside Dimensions

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print
August-01-12 3:19:54 PM

Work Order ID:	88343										
Parent Item:	D350-607-141						Star	Date: 7/27/12		Required Date:	8/17/12
Pårent Item Name:	Automatic Lid Opener Insta	allation					Stan	rt Qty: 1.00		Required Qty:	1.00
D3953-9 Gas Spring Washer	Man	ufactured	No		110	Each	61.0000	(1)	4	1 pb	5
_				<u>Location</u>	Loc Qty		Loc Code			,	
7				ST075		1					
				82941		1		****			
<b>±</b>				ST078	6						h
				87539		0		8-132	<u> 39</u>		$\mathcal{A}$
Gas Spring Spacer	Man	ufactured	No		110	Each	21.0000	2	2	JB	\$
				<b>Location</b>	Loc Qty		Loc Code			•	•
				ST075		1					
				79338		1					ž.
				ST078	2				-0		J.
1				87089	2	0		8.70	<u>87</u>		<b>1</b> 2Y
D3953-13 Gas Spring Spacer	Man	ufactured	No		110	Each	10.0000	(3)	2	JB	
				Location	Loc Oty	:	Loc Code			V	
				ST075	1	0					Û
_ 1				52761	1	0		2-25	161		
D3969-1 Spring (Basket Lid)	Man	ufactured	No		110	Each	21.0000	2	2	-g3	
				Location	Loc Qty	<u>'</u>	Loc Code			·	
1				ST272	2	1					,
$/\Lambda$				73523		1					/
				84424	2	.0		844	124		Ž,
AN3C11A BOLT	Purc	chased	No		110	Each	32.0000	4	4	10 12	409/11
				Location	Loc Oty	<u>'</u>	Loc Code			V	- •
				ST351	3						
				11979		2		119-	198		

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORM	MANCE / UP	DATE	-		•
											QA Closed:	Date:	
Work Ord	er.					DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	4.J
Part NCR	Ño.					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite	-1	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other
Root					Descri	ption of work order update	Т	nitial	Ac	tion	Sign &		
Cause		Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data		·											
Equip/Tooling													
Operator													
Material				į	1							:	
Setup													
Other							1						
Process				<u> </u>									4
Supplier					]								
Training	Г				ļ				}				
Unapproved													
						F	AUL	T CATE	GORY				
Land	ing (	Gear				General		_			_		_
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre N	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
		Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete/	Unclear	Part Lost/M	issing	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance		Part Moved	<u> </u>	• • • •
1	Г	Heat Trea	at			Countersink		Mislabe	·led		Positioned \	Vrong	
		Inspectio	n Strip in	Tube		Cut Too Short		Misread	j		Power Loss/	Surge	Other

Out of Calibration

Out of Sequence

Outside Dimensions

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print
August-01-12 3:19:54 PM

Work Order ID:	88343								
Parent Item:	D350-607-141					Start I	Date: 7/27/12	Required Date	e: 8/17/12
Parent Item Name:	Automatic Lid Opener Installati	ion				Start	Qty: 1.00	Required Qty	y: 1.00
ANECTOA Bolt	Purchase	ed No		110	Each	37.0000	1228/	1 18	<b>S</b>
7 .			Location	Loc Qty		Loc Code		,	J
			ST352	37					
			115835	1					
			121349	25					_
			121652	11					a
<b>NUT</b>	Purchase	ed No		110	Each	76.0000		1 V JB	35
			<b>Location</b>	Loc Qty		Loc Code		•	•
•			ST344	76					
			121349	2					
			121827	74			12182	1	
<b>VIS21043-3</b> Nut	Purchase	ed No		110	Each	799.0000	8	8 / 1/	3
			Location	Loc Qty		Loc Code		V	,
			FG	72					
			103691	72					
			ST301	727					
			118077	2					
			118614	7					
			118686	30					
1			119758	20					
			121255	20			10.100	2	_
			121708	648			12,1708		<b>(</b>
<b>VIS24665-2-12</b> COTTER PIN	Purchas	ed <sup>No</sup>		110	Each	122.0000	4	4 - JB	12/09
			Location	Loc Qty		Loc Code			i
			ST309	122					
			118078	122			118708		

NCR:	/es	/ No				WORK ORDER NON-O	COL	NFOR	MANCE / UP	DAIL			•
											QA Closed:	Date	
Work Order:				DISPOSITION		AGAINST DEPARTMENT/PROCESS					<b>4</b>		
Part No				Rework Scrap Use-as-is Work Order Update		1	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering / Quality Other		
Root			<u> </u>		Descri	ption of work order update	T	Initial	Δς	tion	Sign &		
Cause		Date	Step	Qty	l .	or Non-conformance	1	nief Eng	l	ription	Date	Verification	QC Inspector
Doc/Data		Date	жер	Qty		or Non-comormance		ner eng	Desc	Прион	Dute	Vermedion	QC IIISPECIOI
Equip/Tooling													
Operator											i		
Material													
Setup													
Other													
Process													
Supplier	<u> </u>												
Training	<u> </u>												
Unapproved		L	1	<u>}</u>	<u> </u>	· .	<u> </u>	LT CATE	CORY			<u>.                                    </u>	
Landi	na (	Goor				General	AUI	LICAIL	gori ,				
Lanui	lig (	Bending				Bend	Г	Grain			Ovalized		Pressure/Forced
		Centre No	ot Conce	ntric to		BOM/Route	$\vdash$	Hardwa	are	<b> </b>	Over/Under	tolerance	Temperature/Cure
	_	Cracks	or come		",  -	Broken/Damaged	$\vdash$	-	ion Incomplete		Part Incorre	<del> </del>	Weld
		Crushed/	Crimped			Burrs	$\vdash$	<b>-1</b> `	tions Incomplete/	Unclear	Part Lost/M	<del>                                     </del>	Wrong Stock Pulled
		Cuffs				Contamination	$\vdash$	-1	enance		Part Moved		
		Heat Trea	at			Countersink		Mislabe	eled		Positioned \	Vrong	
		Inspectio		Tube		Cut Too Short		Misrea	d		Power Loss,	/Surge	Other
		Ripples in				Drill Holes		Offset		<u> </u>	<b>-</b>		
		Torque W	/aves in I	Extrusio	n	Drawing		Out of	Calibration				
Turning Sequence			Finish		Out of Sequence								

Outside Dimensions

DQA:

Date:

Wave/Twist in Tube

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

August-01-12 3:19:54 PM

	Work Order I
	Parent Item:
	Parent Item N
	NAS1149C0332 Washer
5	Washer

88343

D350-607-141

Name:

Automatic Lid Opener Installation

2R -

Purchased

Purchased

No

No

110

Each

5,208.0000

Start Qty: 1.00

**Start Date: 7/27/12** 

Required Date: 8/17/12

Required Qty: 1.00

<u>Location</u>	Loc Oty		Loc Code		
297	5208				
122063	5208				
	110	Each	5,924.0000		

Location	<u>1</u>	Loc Oty	Loc Code
296		3000	
	122441	3000	
ST297		1070	
	117291	70	
	119124	1000	
ST298		1854	
	121255	1854	

22063

121255

NCR: Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE							
			QA	Closed:				
Work Order:	DISPOSITION		AGAINST DEPAR	TMENT/PRO				
Work Order.	Rework	Skid-tube	Crosstube	Wa				
Part No.	Scran	Machining	Small Eab	Drod Eng				

Work Order:			DISPOSITION				AGAINST DE	PARTMENT,	/PROCESS	Te		
Paṛt N					Rework Scrap Use-as-is Work Order Update		Therm	Skid-tube  Machining  noforming  Large Fab	Crosstube Small Fab Finishing Composite		Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Cuality Other
Root				Descri	ption of work order update	In	iitial	Ac	tion	Sign &		
Cause	Date	Step	Qty	(	or Non-conformance	Chi	ef Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling		1	ŀ									
Operator				1			_	) [				
Material					p)	10	~0	19				
Setup					p206.6	(p /		/ 190				
Other		Į			2206							
Process				<u> </u>	1) 2							
Supplier					V							
Training												
Unapproved												
						FAULT	CATE	GORY				
Landi	ng Gear				General					_		_
	Bending				Bend		Grain			Ovalized	· [_	Pressure/Forced
	Centre N	ot Conce	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged		Inspecti	on Incomplete		Part Incorre	ct	Weld
	Crushed	Crimped.			Burrs		Instruct	ions Incomplete/	'Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
	Cuffs				Contamination		Mainte	nance		Part Moved		_
	Heat Tre	at			Countersink		Mislabe	led		Positioned V	Vrong	
	Inspection	n Strip in	Tube		Cut Too Short		Misread	i		Power Loss/	Surge	Other
	Ripples i	n Bend			Drill Holes		Offset					
	Torque V	Vaves in E	xtrusio	n	Drawing		Out of 0	Calibration				
	Turning 5	Sequence			Finish		Out of S	Sequence				
	Wave/Tv	vist in Tul	oe .		Folio		Outside	Dimensions				

DQA:

Date:

Date:

## D350-607-141/-143/-145 AUTOMATIC LID OPENER INSTL 6.3

Qty/ 3-141	Qty -143	Qty -145	Part Number	Description
х			D350-607-141	AUTOMATIC LID OPENER INSTL (FOR USE ON -041 BASKET)
	х		D350-607-143	AUTOMATIC LID OPENER INSTL (FOR USE ON -043/-047 BASKET)
		х	D350-607-145	AUTOMATIC LID OPENER INSTL (FOR USE ON -045 BASKET)
<u></u>	7		-D3953-1	GAS SPRING BRACKET
2	1	1	-D3953-3	GAS SPRING STUD (LID)
7 2	1	1	D3953-5 Z	GAS SPRING STUD (BASE)
<u>2</u>		1	D3953-7-	GAS SPRING SPACER
7 4	2		-D3953-9	GAS SPRING WASHER
7 2	1	1	-D3953-11-	GAS SPRING SPACER
1/2		1	D3953-13	GAS SPRING SPACER
-£	1		D3953-15	GAS SPRING BRACKET
	1_		D3953-17	GAS SPRING SPACER
12	_1_	1	D3969-1	GAS SPRING
4	2	2	AN3C11A	BOLT
	2		AN3C15A	BOLT
14		2	AN3C16A	BOLT
74	2	2	AN310-4 Z	CASTELLATED NUT
7 8	4	. 4	MS21043-3	NUT
14	2	2	-MS24665-212	COTTER PIN
7 8	4	4	NAS1149C0332R /	WASHER (OR AN960C10L)
4	2	2	NAS1149C0432R	WASHER (OR AN960C416L)